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 WPI Acc No: 1996-300675/199630
 XRAM Acc No: C96-095630

**Self-adhesion reinforcement for nonwoven textile, useful in cars -
 consists of laminated strip or fibre of high temp.-resistant material and
 low m.pt. plastics material binding reinforcement and textile fibres**

Patent Assignee: HP-CHEM PELZER RES & DEV LTD (HPCH-N); HP CHEM PELZER RES & DEV LTD (HPCH-N); HP-CHEM RES & DEV LTD (HPCH-N)

Inventor: PELZER H

Number of Countries: 064 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9618763	A1	19960620	WO 95EP4930	A	19951213	199630	B
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ES 2145942	T3	20000716	EP 95942144	A	19951213	200039

Priority Applications (No Type Date): DE 4444505 A 19941214; DE 4447713 A 19941214

Cited Patents: EP 310200; EP 584445; US 4766029; WO 9323596

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

DE 4444505	A1	5 D01F-008/04	
AU 9643444	A	D04H-013/00	Based on patent WO 9618763
DE 4447713	A1	D04H-013/00	Div ex application DE 4444505

EP 797697	A1	G	D04H-013/00	Div ex patent DE 4444505
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Designated States (Regional): BE DE ES FR GB NL PT SE

BR 9510033	A	D04H-013/00	Based on patent WO 9618763
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CZ 9701780	A3	D04H-013/00	Based on patent WO 9618763
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EP 797697	B1	G	D04H-013/00	Based on patent WO 9618763
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Designated States (Regional): BE DE ES FR GB NL PT SE

DE 59507972	G	D04H-013/00	Based on patent EP 797697
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			Based on patent WO 9618763
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ES 2145942	T3	D04H-013/00	Based on patent EP 797697
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Abstract (Basic): WO 9618763 A

Self-adhesive reinforcing strip or fibre with binder properties for non-woven textiles consists of a laminate of 2 or more extruded layers of plastics high temp.-resistant material(s) (I) and low m.pt. plastics material(s) (II).

Also claimed are methods of making the material and nonwoven textiles contg. this reinforcement; and the reinforced nonwoven textiles per se.

Pref. (I) is PET, PBT, polyamide or highly crosslinked polyolefin, eg.. polyethylene and/or polypropylene. It has a m.pt. at least 50, esp. at least 100deg.C higher than that of (II). (II) is thermoplastic and esp. as HDPE, LDPE, polypropylene, polystyrene, PMMA, EVA, styrene/acrylonitrile, copolymers of these or copolymers of polyamides and polyesters.

USE - The reinforcement is used for making nonwoven textiles, esp. materials reinforced with glass fibres or glass mesh and nonwoven cotton textiles; and the reinforced textiles are used for making mouldings for use in cars, esp. acoustic damping in the region of the bonnet, back wall (both sides), tunnel, doors, roof, foot well, pumps, A- to D-columns and air channels and as opt. self-supporting base for internal cladding, esp. on fittings, tunnel, doors, backrests, A- to D-columns and spare wheel, and as pts. with a dual function, esp. roof lining, top cover, filler, boot mat or wheel arch cladding (all claimed).

ADVANTAGE - (I) acts as reinforcement, whilst (II) as binder and ensures a good bond between the textile fibres and (I).

Dwg. 0/0

Title Terms: SELF; ADHESIVE; REINFORCED; NONWOVEN; TEXTILE; USEFUL; CAR; CONSIST; LAMINATE; STRIP; FIBRE; HIGH; TEMPERATURE; RESISTANCE; MATERIAL; LOW; PLASTICS; MATERIAL; BIND; REINFORCED; TEXTILE; FIBRE

Derwent Class: A95; F04; P27; P73; Q13; Q17; Q22

International Patent Class (Main): B32B-027/28; D01F-008/04; D04H-013/00

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B60R-007/10; B60R-013/01; B60R-013/02; B60R-013/08; B62D-025/16;

C08L-023/02; C08L-025/06; C08L-033/10; C08L-077/00; D04H-001/00;

D04H-001/42; D04H-001/54; D04H-001/56

File Segment: CPI; EngPI
Manual Codes (CPI/A-N): A12-S05G; A12-S08F; A12-T04; F02-C01; F03-D;
F04-E03

Polymer Indexing (PS):

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